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SEQUENCE LISTING

<110> COR Therapeutics, Inc.
Ramakrishnan, Vanitha
Phillips, David

<120> Transgenic Animals Having a Modified Glycoprotein V Gene and Methods for Their Use

<130> 44481-5044-WO

<140> PCT/US99/17594
<141> 1999-08-04

<150> US 60/109,797
<151> 1998-08-04

<160> 14

<170> PatentIn Ver. 2.1

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<213> Artificial Sequence

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<222> (13)..(18)
<223> y at position 13 = c or t; r at position 18 = a or g.

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<222> (3)..(21)
<223> y at position 3 = c or t; r at positions 6 and 21
= a or g.

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seq. id no. 7.

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<210> 5
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<213> Artificial Sequence

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<221> variation
<222> (3)..(24)
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position 6 = a or c or g; m at position 9 = a or
c; s at position 24 = c or g.

<400> 5
ccyggvacmt tyagygayyt gatsaa 26

<210> 6
<211> 9
<212> PRT
<213> Homo sapiens

<400> 6
Pro Gly Thr Phe Ser Asp Leu Ile Lys

1 5

<210> 7
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer

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<221> variation
<222> (1)..(19)
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b at position 4 = c or g or t; k at position 6 =
g or t.

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rttbckraar gcrgcrgcrg g 21

<210> 8
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<223> Amino acid sequence corresponding to the
complementary strand of the primer in seq. id no.
11.

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Pro Ala Ala Ala Phe Arg Asn
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<222> (8)..(27)
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k at position 9 = g or t.

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ggccccarkc crcartcrca garccarga 29

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Ser Trp Arg Cys Asp Cys Gly Leu Gly
1 5

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caattgccta aagttttctg acacccacaa gtgaggcact gccacatgca cccacatact 180

cctgcacagg aatgagttag tgcaatgtag catggaaaaa aaccaaaagt gtggcccatg 240

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ccctatggag atagtctttt tcttgacttt ttatctggta aggtctttat cttgaggatg 420

caagaatact tccctcttcc tctctgaagt gccaagtcac aagcagagct gcaagccttt 480

cagtcagtcc agggtgcaga actgcttcag gtaaggccaa atattcttaa attagtgtat 540

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cctgtaagac tgatctactc tccaataccc acatatgctg aatagaaaag taatttttt 1260

ttaatcagcc tttgtaagat agaggaagac ttggttgtat ctgagcgttc caaggccgtg 1320

agagtgctgg cccaaaaact gtgcttgcag cagtgcgtgc agggctccag gatatgctct 1380

gagccttgtt tttgctcttg catttcagac atg cta aga agc gcc ctg ctg tcc  1434
                                Met Leu Arg Ser Ala Leu Leu Ser
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gcg gtg ctc gca ctc ttg cgt gcc caa cct ttt ccc tgc ccc aaa acc   1482
Ala Val Leu Ala Leu Leu Arg Ala Gln Pro Phe Pro Cys Pro Lys Thr
     10                  15                  20

tgc aag tgt gtg gtc cgc gat gcc gcg cag tgc tcg ggc ggc agc gtg   1530
Cys Lys Cys Val Val Arg Asp Ala Ala Gln Cys Ser Gly Gly Ser Val
 25                  30                  35                  40

gct cac atc gct gag cta ggt ctg cct acg aac ctc aca cac atc ctg   1578
Ala His Ile Ala Glu Leu Gly Leu Pro Thr Asn Leu Thr His Ile Leu
                 45                  50                  55

ctc ttc cga atg gac cag ggc ata ttg cgg aac cac agc ttc agc ggc   1626
Leu Phe Arg Met Asp Gln Gly Ile Leu Arg Asn His Ser Phe Ser Gly
             60                  65                  70

atg aca gtc ctt cag cgc ctg atg ctc tca gat agc cac att tcc gcc   1674
Met Thr Val Leu Gln Arg Leu Met Leu Ser Asp Ser His Ile Ser Ala
         75                  80                  85

atc gac ccc ggc acc ttc aat gac ctg gta aaa ctg aaa acc ctc agg   1722
Ile Asp Pro Gly Thr Phe Asn Asp Leu Val Lys Leu Lys Thr Leu Arg
     90                  95                  100

ttg acg cgc aac aaa atc tct cgt ctt cca cgt gcg atc ctg gat aag   1770
Leu Thr Arg Asn Lys Ile Ser Arg Leu Pro Arg Ala Ile Leu Asp Lys
105                 110                 115                 120

atg gta ctc ttg gaa cag ctg ttc ttg gac cac aat gca cta agg gac   1818
Met Val Leu Leu Glu Gln Leu Phe Leu Asp His Asn Ala Leu Arg Asp
                125                 130                 135

ctt gat caa aac ctg ttt cag caa ctg cgt aac ctt cag gag ctc ggt   1866
Leu Asp Gln Asn Leu Phe Gln Gln Leu Arg Asn Leu Gln Glu Leu Gly
            140                 145                 150

ttg aac cag aat cag ctc tct ttt ctt cct gct aac ctt ttc tcg agc   1914
Leu Asn Gln Asn Gln Leu Ser Phe Leu Pro Ala Asn Leu Phe Ser Ser
        155                 160                 165

ctg aga gaa ctg aag ttg ttg gat tta tcg cga aac aac ctg acc cac   1962
Leu Arg Glu Leu Lys Leu Leu Asp Leu Ser Arg Asn Asn Leu Thr His
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ctg ccc aag gga ctg ctt ggg gct caa gtt aag ctt gag aaa ctg ctg   2010
Leu Pro Lys Gly Leu Leu Gly Ala Gln Val Lys Leu Glu Lys Leu Leu
185                 190                 195                 200

ctc tat tca aac cag ctc acg tct gtg gat tcg ggg ctg ctg agc aac   2058
Leu Tyr Ser Asn Gln Leu Thr Ser Val Asp Ser Gly Leu Leu Ser Asn
                205                 210                 215

ctg ggc gcc ctg act gag ctg cgg ctg gag cgg aat cac ctc cgc tcc   2106
Leu Gly Ala Leu Thr Glu Leu Arg Leu Glu Arg Asn His Leu Arg Ser
            220                 225                 230

gta gcc ccg ggt gcc ttc gac cgc ctc gga aac ctg agc tcc ttg act   2154
Val Ala Pro Gly Ala Phe Asp Arg Leu Gly Asn Leu Ser Ser Leu Thr
        235                 240                 245

cta tcc gga aac ctc ctg gag tct ctg ccg ccc gcg ctc ttc ctt cac   2202
Leu Ser Gly Asn Leu Leu Glu Ser Leu Pro Pro Ala Leu Phe Leu His
    250                 255                 260

gtg agc agc gtg tct cgg ctg act ctg ttc gag aac ccc ctg gag gag   2250
Val Ser Ser Val Ser Arg Leu Thr Leu Phe Glu Asn Pro Leu Glu Glu
265                 270                 275                 280

ctc ccg gac gtg ttg ttc ggg gag atg gcc ggc ctg cgg gag ctg tgg   2298
Leu Pro Asp Val Leu Phe Gly Glu Met Ala Gly Leu Arg Glu Leu Trp
                285                 290                 295

ctg aac ggc acc cac ctg agc acg ctg ccc gcc gct gcc ttc cgc aac   2346
Leu Asn Gly Thr His Leu Ser Thr Leu Pro Ala Ala Ala Phe Arg Asn
            300                 305                 310

ctg agc ggc ttg cag acg ctg ggg ctg acg cgg aac ccg cgc ctg agc   2394
Leu Ser Gly Leu Gln Thr Leu Gly Leu Thr Arg Asn Pro Arg Leu Ser
        315                 320                 325

gcg ctc ccg cgc ggc gtg ttc cag ggc cta cgg gag ctg cgc gtg ctc   2442
Ala Leu Pro Arg Gly Val Phe Gln Gly Leu Arg Glu Leu Arg Val Leu
    330                 335                 340

gcg ctg cac acc aac gcc ctg gcg gag ctg cgg gac gac gcg ctg cgc   2490
Ala Leu His Thr Asn Ala Leu Ala Glu Leu Arg Asp Asp Ala Leu Arg
345                 350                 355                 360

ggc ctc ggg cac ctg cgc cag gtg tcg ctg cgc cac aac cgg ctg cgg   2538
Gly Leu Gly His Leu Arg Gln Val Ser Leu Arg His Asn Arg Leu Arg
                365                 370                 375

gcc ctg ccc cgc acg ctc ttc cgc aac ctc agc agc ctc gag agc gtg   2586
Ala Leu Pro Arg Thr Leu Phe Arg Asn Leu Ser Ser Leu Glu Ser Val
            380                 385                 390

cag cta gag cac aac cag ctg gag acg ctg cca gga gac gtg ttc gcg   2634
Gln Leu Glu His Asn Gln Leu Glu Thr Leu Pro Gly Asp Val Phe Ala
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gct ctg ccc cag ctg acc cag gtc ctg ctg ggt cac aac ccc tgg ctc   2682
Ala Leu Pro Gln Leu Thr Gln Val Leu Leu Gly His Asn Pro Trp Leu
    410                 415                 420

tgc gac tgt ggc ctg tgg ccc ttc ctc cag tgg ctg cgg cat cac ccg   2730
Cys Asp Cys Gly Leu Trp Pro Phe Leu Gln Trp Leu Arg His His Pro
425                 430                 435                 440

gac atc ctg ggc cga gac gag ccc ccg cag tgc cgt ggc ccg gag cca   2778
Asp Ile Leu Gly Arg Asp Glu Pro Pro Gln Cys Arg Gly Pro Glu Pro
                445                 450                 455

cgc gcc agc ctg tcg ttc tgg gag ctg ctg cag ggt gac ccg tgg tgc   2826
Arg Ala Ser Leu Ser Phe Trp Glu Leu Leu Gln Gly Asp Pro Trp Cys
            460                 465                 470

ccg gat cct cgc agc ctg cct ctc gac cct cca acc gaa aat gct ctg   2874
Pro Asp Pro Arg Ser Leu Pro Leu Asp Pro Pro Thr Glu Asn Ala Leu
        475                 480                 485

gaa gcc ccg gtt ccg tcc tgg ctg cct aac agc tgg cag tcc cag acg   2922
Glu Ala Pro Val Pro Ser Trp Leu Pro Asn Ser Trp Gln Ser Gln Thr
    490                 495                 500

tgg gcc cag ctg gtg gcc agg ggt gaa agt ccc aat aac agg ctc tac   2970
Trp Ala Gln Leu Val Ala Arg Gly Glu Ser Pro Asn Asn Arg Leu Tyr
505                 510                 515                 520

tgg ggt ctt tat att ctg ctt cta gta gcc cag gcc atc ata gcc gcg   3018
Trp Gly Leu Tyr Ile Leu Leu Leu Val Ala Gln Ala Ile Ile Ala Ala
                525                 530                 535

ttc atc gtg ttt gcc atg att aaa atc ggc cag ctg ttt cga aca tta   3066
Phe Ile Val Phe Ala Met Ile Lys Ile Gly Gln Leu Phe Arg Thr Leu
            540                 545                 550

atc aga gag aag ctc ttg tta gag gca atg gga aaa tcg tgt            3108
Ile Arg Glu Lys Leu Leu Leu Glu Ala Met Gly Lys Ser Cys
        555                 560                 565

aactaatgaa actgaccaga gcattgtgga cggggcccca aggagaatgc agtcaggatg 3168

ctggcgtgcc attacactat ttcccaggcc ttttctcctc tcccgtgctc ttagtgtctc 3228

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gtttctgaat ttgaggacac atcctgccag tgggcaagac ctctccggga cccagcaagg 3468

gttgagtaac atttgctgaa ggaacaccgg cttaaaacga accctaggtc caagagatga 3528
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<213> Mus musculus

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Ala Gln Cys Ser Gly Gly Ser Val Ala His Ile Ala Glu Leu Gly Leu
35 40 45

Pro Thr Asn Leu Thr His Ile Leu Leu Phe Arg Met Asp Gln Gly Ile
50 55 60

Leu Arg Asn His Ser Phe Ser Gly Met Thr Val Leu Gln Arg Leu Met
65 70 75 80

Leu Ser Asp Ser His Ile Ser Ala Ile Asp Pro Gly Thr Phe Asn Asp
85 90 95

Leu Val Lys Leu Lys Thr Leu Arg Leu Thr Arg Asn Lys Ile Ser Arg
100 105 110

Leu Pro Arg Ala Ile Leu Asp Lys Met Val Leu Leu Glu Gln Leu Phe
115 120 125

Leu Asp His Asn Ala Leu Arg Asp Leu Asp Gln Asn Leu Phe Gln Gln
130 135 140

Leu Arg Asn Leu Gln Glu Leu Gly Leu Asn Gln Asn Gln Leu Ser Phe
145 150 155 160

Leu Pro Ala Asn Leu Phe Ser Ser Leu Arg Glu Leu Lys Leu Leu Asp
165 170 175

Leu Ser Arg Asn Asn Leu Thr His Leu Pro Lys Gly Leu Leu Gly Ala
180 185 190

Gln Val Lys Leu Glu Lys Leu Leu Leu Tyr Ser Asn Gln Leu Thr Ser
195 200 205

Val Asp Ser Gly Leu Leu Ser Asn Leu Gly Ala Leu Thr Glu Leu Arg
210 215 220

Leu Glu Arg Asn His Leu Arg Ser Val Ala Pro Gly Ala Phe Asp Arg
225 230 235 240

Leu Gly Asn Leu Ser Ser Leu Thr Leu Ser Gly Asn Leu Leu Glu Ser
245 250 255

Leu Pro Pro Ala Leu Phe Leu His Val Ser Ser Val Ser Arg Leu Thr
260 265 270

Leu Phe Glu Asn Pro Leu Glu Glu Leu Pro Asp Val Leu Phe Gly Glu
275 280 285

Met Ala Gly Leu Arg Glu Leu Trp Leu Asn Gly Thr His Leu Ser Thr
290 295 300

Leu Pro Ala Ala Ala Phe Arg Asn Leu Ser Gly Leu Gln Thr Leu Gly
305 310 315 320

Leu Thr Arg Asn Pro Arg Leu Ser Ala Leu Pro Arg Gly Val Phe Gln
325 330 335

Gly Leu Arg Glu Leu Arg Val Leu Ala Leu His Thr Asn Ala Leu Ala
340 345 350

Glu Leu Arg Asp Asp Ala Leu Arg Gly Leu Gly His Leu Arg Gln Val
355 360 365

Ser Leu Arg His Asn Arg Leu Arg Ala Leu Pro Arg Thr Leu Phe Arg
370 375 380

Asn Leu Ser Ser Leu Glu Ser Val Gln Leu Glu His Asn Gln Leu Glu
385 390 395 400

Thr Leu Pro Gly Asp Val Phe Ala Ala Leu Pro Gln Leu Thr Gln Val
405 410 415

Leu Leu Gly His Asn Pro Trp Leu Cys Asp Cys Gly Leu Trp Pro Phe
420 425 430

Leu Gln Trp Leu Arg His His Pro Asp Ile Leu Gly Arg Asp Glu Pro
435 440 445

Pro Gln Cys Arg Gly Pro Glu Pro Arg Ala Ser Leu Ser Phe Trp Glu
450 455 460

Leu Leu Gln Gly Asp Pro Trp Cys Pro Asp Pro Arg Ser Leu Pro Leu
465 470 475 480

Asp Pro Pro Thr Glu Asn Ala Leu Glu Ala Pro Val Pro Ser Trp Leu
485 490 495

Pro Asn Ser Trp Gln Ser Gln Thr Trp Ala Gln Leu Val Ala Arg Gly
500 505 510

Glu Ser Pro Asn Asn Arg Leu Tyr Trp Gly Leu Tyr Ile Leu Leu Leu
515 520 525

Val Ala Gln Ala Ile Ile Ala Ala Phe Ile Val Phe Ala Met Ile Lys
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Ile Gly Gln Leu Phe Arg Thr Leu Ile Arg Glu Lys Leu Leu Leu Glu
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Ala Met Gly Lys Ser Cys
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<223> Platelet glycoprotein V gene

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ctc ggg ctt ctg cgc gcc cag ccc ttc ccc tgt ccg cca gct tgc aag 2499
Leu Gly Leu Leu Arg Ala Gln Pro Phe Pro Cys Pro Pro Ala Cys Lys
15 20 25

tgt gtc ttc cgg gac gcc gcg cag tgc tcg ggg ggc gac gtg gcg cgc 2547
Cys Val Phe Arg Asp Ala Ala Gln Cys Ser Gly Gly Asp Val Ala Arg
30 35 40

atc tcc gcg ctg ggc ctg ccc acc aac ctc acg cac atc ctg ctc ttc 2595
Ile Ser Ala Leu Gly Leu Pro Thr Asn Leu Thr His Ile Leu Leu Phe
45 50 55

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Gly Met Gly Arg Gly Val Leu Gln Ser Gln Ser Phe Ser Gly Met Thr
     60                  65                  70

gtc ctg cag cgc ctc atg atc tcc gac agc cac att tcc gcc gtt gcc   2691
Val Leu Gln Arg Leu Met Ile Ser Asp Ser His Ile Ser Ala Val Ala
 75                  80                  85                  90

ccc ggc acc ttc agt gac ctg ata aaa ctg aaa acc ctg agg ctg tcg   2739
Pro Gly Thr Phe Ser Asp Leu Ile Lys Leu Lys Thr Leu Arg Leu Ser
                 95                 100                 105

cgc aac aaa atc acg cat ctt cca ggt gcg ctg ctg gat aag atg gtg   2787
Arg Asn Lys Ile Thr His Leu Pro Gly Ala Leu Leu Asp Lys Met Val
            110                 115                 120

ctc ctg gag cag ttg ttt ttg gac cac aat gcg cta agg ggc att gac   2835
Leu Leu Glu Gln Leu Phe Leu Asp His Asn Ala Leu Arg Gly Ile Asp
        125                 130                 135

caa aac atg ttt cag aaa ctg gtt aac ctg cag gag ctc gct ctg aac   2883
Gln Asn Met Phe Gln Lys Leu Val Asn Leu Gln Glu Leu Ala Leu Asn
    140                 145                 150

cag aat cag ctc gat ttc ctt cct gcc agt ctc ttc acg aat ctg gag   2931
Gln Asn Gln Leu Asp Phe Leu Pro Ala Ser Leu Phe Thr Asn Leu Glu
155                 160                 165                 170

aac ctg aag ttg ttg gat tta tcg gga aac aac ctg acc cac ctg ccc   2979
Asn Leu Lys Leu Leu Asp Leu Ser Gly Asn Asn Leu Thr His Leu Pro
                175                 180                 185

aag ggg ttg ctt gga gca cag gct aag ctc gag aga ctt ctg ctc cac   3027
Lys Gly Leu Leu Gly Ala Gln Ala Lys Leu Glu Arg Leu Leu Leu His
            190                 195                 200

tcg aac cgc ctt gtg tct ctg gat tcg ggg ctg ttg aac agc ctg ggc   3075
Ser Asn Arg Leu Val Ser Leu Asp Ser Gly Leu Leu Asn Ser Leu Gly
        205                 210                 215

gcc ctg acg gag ctg cag ttc cac cga aat cac atc cgt tcc atc gca   3123
Ala Leu Thr Glu Leu Gln Phe His Arg Asn His Ile Arg Ser Ile Ala
    220                 225                 230

ccc ggg gcc ttc gac cgg ctc cca aac ctc agt tct ttg acg ctt tcg   3171
Pro Gly Ala Phe Asp Arg Leu Pro Asn Leu Ser Ser Leu Thr Leu Ser
235                 240                 245                 250

aga aac cac ctt gcg ttt ctc ccc tct gcg ctc ttt ctt cat tcg cac   3219
Arg Asn His Leu Ala Phe Leu Pro Ser Ala Leu Phe Leu His Ser His
                255                 260                 265

aat ctg act ctg ttg act ctg ttc gag aac ccg ctg gca gag ctc ccg   3267
Asn Leu Thr Leu Leu Thr Leu Phe Glu Asn Pro Leu Ala Glu Leu Pro
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Gly Val Leu Phe Gly Glu Met Gly Gly Leu Gln Glu Leu Trp Leu Asn
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cgc acc cag ctg cgc acc ctg ccc gcc gcc gcc ttc cgc aac ctg agc 3363
Arg Thr Gln Leu Arg Thr Leu Pro Ala Ala Ala Phe Arg Asn Leu Ser
300 305 310

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Arg Leu Arg Tyr Leu Gly Val Thr Leu Ser Pro Arg Leu Ser Ala Leu
315 320 325 330

ccg cag ggc gcc ttc cag ggc ctt ggc gag ctc cag gtg ctc gcc ctg 3459
Pro Gln Gly Ala Phe Gln Gly Leu Gly Glu Leu Gln Val Leu Ala Leu
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cac tcc aac ggc ctg acc gcc ctc ccc gac ggc ttg ctg cgc ggc ctc 3507
His Ser Asn Gly Leu Thr Ala Leu Pro Asp Gly Leu Leu Arg Gly Leu
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Gly Lys Leu Arg Gln Val Ser Leu Arg Arg Asn Arg Leu Arg Ala Leu
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Pro Arg Ala Leu Phe Arg Asn Leu Ser Ser Leu Glu Ser Val Gln Leu
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gac cac aac cag ctg gag acc ctg cct ggc gac gtg ttt ggg gct ctg 3651
Asp His Asn Gln Leu Glu Thr Leu Pro Gly Asp Val Phe Gly Ala Leu
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Pro Arg Leu Thr Glu Val Leu Leu Gly His Asn Ser Trp Arg Cys Asp
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Cys Gly Leu Gly Pro Phe Leu Gly Trp Leu Arg Gln His Leu Gly Leu
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Val Gly Gly Glu Glu Pro Pro Arg Cys Ala Gly Pro Gly Ala His Ala
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Gly Leu Pro Leu Trp Ala Leu Pro Gly Gly Asp Ala Glu Cys Pro Gly
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ccc cgg ggc ccg cct ccc cgc ccc gct gcg gac agc tcc tcg gaa gcc 3891
Pro Arg Gly Pro Pro Pro Arg Pro Ala Ala Asp Ser Ser Ser Glu Ala
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cct gtc cac cca gcc ttg gct ccc aac agc tca gaa ccc tgg gtg tgg 3939
Pro Val His Pro Ala Leu Ala Pro Asn Ser Ser Glu Pro Trp Val Trp
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Ala Gln Pro Val Thr Thr Gly Lys Gly Gln Asp His Ser Pro Phe Trp
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Gly Phe Tyr Phe Leu Leu Leu Ala Val Gln Ala Met Ile Thr Val Ile
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atc gtg ttt gct atg att aaa att ggc caa ctc ttt cga aaa tta atc   4083
Ile Val Phe Ala Met Ile Lys Ile Gly Gln Leu Phe Arg Lys Leu Ile
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aga gag aga gcc ctt ggg taaaccaatg ggaaaatctt ctaattactt          4131
Arg Glu Arg Ala Leu Gly
555                 560

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Ala Gln Cys Ser Gly Gly Asp Val Ala Arg Ile Ser Ala Leu Gly Leu
         35                  40                  45

Pro Thr Asn Leu Thr His Ile Leu Leu Phe Gly Met Gly Arg Gly Val
     50                  55                  60

Leu Gln Ser Gln Ser Phe Ser Gly Met Thr Val Leu Gln Arg Leu Met
 65                  70                  75                  80

Ile Ser Asp Ser His Ile Ser Ala Val Ala Pro Gly Thr Phe Ser Asp
                 85                  90                  95

Leu Ile Lys Leu Lys Thr Leu Arg Leu Ser Arg Asn Lys Ile Thr His
            100                 105                 110

Leu Pro Gly Ala Leu Leu Asp Lys Met Val Leu Leu Glu Gln Leu Phe
        115                 120                 125

Leu Asp His Asn Ala Leu Arg Gly Ile Asp Gln Asn Met Phe Gln Lys
    130                 135                 140

Leu Val Asn Leu Gln Glu Leu Ala Leu Asn Gln Asn Gln Leu Asp Phe
145                 150                 155                 160

Leu Pro Ala Ser Leu Phe Thr Asn Leu Glu Asn Leu Lys Leu Leu Asp
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Leu Ser Gly Asn Asn Leu Thr His Leu Pro Lys Gly Leu Leu Gly Ala
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Gln Ala Lys Leu Glu Arg Leu Leu Leu His Ser Asn Arg Leu Val Ser
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Leu Asp Ser Gly Leu Leu Asn Ser Leu Gly Ala Leu Thr Glu Leu Gln
    210                 215                 220

Phe His Arg Asn His Ile Arg Ser Ile Ala Pro Gly Ala Phe Asp Arg
225                 230                 235                 240

Leu Pro Asn Leu Ser Ser Leu Thr Leu Ser Arg Asn His Leu Ala Phe
                245                 250                 255

Leu Pro Ser Ala Leu Phe Leu His Ser His Asn Leu Thr Leu Leu Thr
            260                 265                 270

Leu Phe Glu Asn Pro Leu Ala Glu Leu Pro Gly Val Leu Phe Gly Glu
        275                 280                 285

Met Gly Gly Leu Gln Glu Leu Trp Leu Asn Arg Thr Gln Leu Arg Thr
    290                 295                 300

Leu Pro Ala Ala Ala Phe Arg Asn Leu Ser Arg Leu Arg Tyr Leu Gly
305                 310                 315                 320

Val Thr Leu Ser Pro Arg Leu Ser Ala Leu Pro Gln Gly Ala Phe Gln
                325                 330                 335

Gly Leu Gly Glu Leu Gln Val Leu Ala Leu His Ser Asn Gly Leu Thr
            340                 345                 350

Ala Leu Pro Asp Gly Leu Leu Arg Gly Leu Gly Lys Leu Arg Gln Val
        355                 360                 365

Ser Leu Arg Arg Asn Arg Leu Arg Ala Leu Pro Arg Ala Leu Phe Arg
    370                 375                 380

Asn Leu Ser Ser Leu Glu Ser Val Gln Leu Asp His Asn Gln Leu Glu
385                 390                 395                 400

Thr Leu Pro Gly Asp Val Phe Gly Ala Leu Pro Arg Leu Thr Glu Val
                405                 410                 415

Leu Leu Gly His Asn Ser Trp Arg Cys Asp Cys Gly Leu Gly Pro Phe
            420                 425                 430

Leu Gly Trp Leu Arg Gln His Leu Gly Leu Val Gly Gly Glu Glu Pro
        435                 440                 445

Pro Arg Cys Ala Gly Pro Gly Ala His Ala Gly Leu Pro Leu Trp Ala
    450                 455                 460

Leu Pro Gly Gly Asp Ala Glu Cys Pro Gly Pro Arg Gly Pro Pro Pro
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Ala	Pro	Asn	Ser	Ser	Glu	Pro	Trp	Val	Trp	Ala	Gln	Pro	Val	Thr	Thr
			500					505					510		
Gly	Lys	Gly	Gln	Asp	His	Ser	Pro	Phe	Trp	Gly	Phe	Tyr	Phe	Leu	Leu
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